DEPARTMENT OF PHYSIOLOGY AND BIOPHYSICS MSA - "A"

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January 31, 1990

Dr. Harmon C. McAllister
The Council of Tobacco Research - USA Inc.,
900 Third Avenue,
New York, NY 10022

Dear Dr. McAllister:

I am a biophysicist studying structure and function relationship of hemoprotein by combination of spectroscopic techniques. I am very interested in applying for a grant from your organization. Currently, I have two research projects supported by National Institutes of Health; one is "Structure and Function of Myeloperoxidase", which aims to elucidate the active site structure of myeloperoxidase, a major protein in polymorphonuclear leukocyte, other program is "Cytochrome Oxidase Intermediates" which studies structure of redox centers of various intermediates of this terminal oxidase of mitochondrial respiratory chain. I have studied intensively for the last 10 years on the nature of the allosteric transition of hemoglobin, and we have established the method to isolate stable intermediate state of hemoglobin in which one of the subunits carries carbon monoxide as a ligand. At this moment, I am very seriously considering to apply for a grant to support this hemoglobin project which, I think, fits into areas that your council supports. Also this project does not have any overlap with the abovementioned currently active NIH progrmas.

I would be most happy if you could provide information necessary for me to apply a grant from your council.

Thank your consideration.

Masao Ikeda-Saito

Masao Ikeda-Saito,
Associate Professor
Department of Physiology and Biophysics

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